AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) A method of evaluating a code which is orthogonal to one or more further codes, comprising the steps of:
   - receiving a signal which carries a code containing a sequence of code symbols;
   - determining for a code symbol at a particular symbol instant at least one channel estimate;
   - determining for the code symbol a compensation value taking into account the at least one channel estimate;
   - restoring a previous power relationship among the individual code symbols contained in the code by compensating each code symbol using the compensation value determined for the corresponding symbol instant; and
   - evaluating the code on the basis of the sequence of compensated code symbols exploiting the orthogonality to the further codes.

2. (original) The method of claim 1, wherein the step of evaluating the code comprises determining if the received code is identical with a known code and/or which code out of a predefined set of orthogonal codes has been received.

3. (previously presented) The method of claim 1, wherein the step of evaluating the code comprises associating the sequence of compensated code symbols with one or more known sequences of code symbols.

4. (previously presented) The method of claim 1, wherein the signal carrying the code is received via multiple propagation paths, wherein for the particular symbol instant individual channel estimates for at least two propagation paths are determined and wherein the compensation value for the particular symbol instant is determined taking into account the individual channel estimates determined for this symbol instant.

5. (original) The method of claim 4, wherein in the compensation value weak propagation paths are considered with a lower significance than strong propagation paths.

6. (previously presented) The method of claim 1, wherein the compensation value is constituted by a compensation factor *c[k]* which is calculated for a specific symbol instant *k* according to

$$c[k] = \frac{1}{\sum_{l=1}^{L} a_l \cdot \left| \hat{g}_l[k] \right|^2},$$

where L is the number of propagation paths to be taken into account, a_l is a weighting factor for an individual propagation path l, and $\hat{g}_l[k]$ is the channel estimate for propagation path l.

7. (previously presented) The method of claim 1, wherein the code is used in an access signaling context to identify or address a particular network component requesting access to a network resource.

8. (previously presented) The method of claim 1, wherein the code is transmitted via a first channel and wherein the channel estimates are determined on the basis of information transmitted via a second channel which is different from the first channel.

9. (original) The method of claim 8, wherein the code transmitted via the first channel is used in a random access signaling context and/or wherein the second channel is used for transmitting signals carrying information that is known at a receiving side.

10. (previously presented) The method of claim 1, wherein the step of determining channel estimates comprises averaging for a specific propagation path each channel estimate over a number of symbol instants.

11. (previously presented) The method of claim 1, wherein the step of determining channel estimates comprises a Doppler shift adaptation of the channel estimates.

12. (previously presented) The method of claim 1, wherein the step of evaluating the code comprises a comparison with a threshold.

13. (original) The method of claim 12, wherein the threshold is determined on the basis of a ratio between a power level used on an access signaling channel and a power level used on a channel for pilot transmission.

14. (currently amended) A computer program product comprising a computer readable medium including program code portions that when executed perform ~~for performing~~ the steps of claim 1.

15. Canceled.

16. (currently amended) A receiver ~~(20)~~ for receiving a signal carrying a code which contains a sequence of code symbols and which is orthogonal to one or more further codes, comprising:

- an estimator ~~(26)~~ for determining for a code symbol at a particular symbol instant at least one channel estimate;
- a compensator ~~(30)~~ to restore a previous power relationship among the individual code symbols contained in the code by determining for the code symbol a compensation value taking into account the at least one channel estimate and for compensating each code symbol using the compensation value determined for the corresponding symbol instant; and
- an evaluator ~~(32)~~ for evaluating the code on the basis of the sequence of compensated code symbols exploiting the orthogonality to the further codes.

17. (currently amended) The device of claim 16, wherein the receiver ~~(20)~~ is configured as a RAKE receiver.

18. (currently amended) The device of claim 17, wherein the compensator ~~(30)~~ is configured to generate a maximum ratio combined output signal ~~(AI_MRC)~~.